

IN THE CLAIMS

1. (Previously Presented) A method of configuring a transceiver having an output driver for driving an output terminal to provide data transmission via residential twisted pair wiring, the method comprising the steps of:

setting a DC level at the output terminal for supplying a transmit signal of a prescribed level to the residential twisted pair wiring,

comparing a controlled value representing the DC level with a predetermined threshold level, and

controlling the output driver until the controlled value is equal to the threshold level.

2. (Original) The method of claim 1, wherein the output driver is controlled during initialization of the transceiver.

3. (Original) The method of claim 1, wherein the output driver is controlled for a high power level and a low power level set at the output terminal.

4. (Original) The method of claim 1, wherein the output driver is controlled to establish an output drive level required by the HPNA specification.

5. (Previously Presented) A transceiver for providing data communications over residential twisted pair wiring, comprising:

an output driver having an output for supplying a transmit signal of a prescribed level to the residential twisted pair wiring, and

an output drive control system for comparing a DC level set at the output of the output driver with a predetermined threshold signal to control the output driver so as to maintain the transmit signal at the prescribed level.

6. (Original) The transceiver of claim 5, wherein the output drive control system comprises a comparator circuit for comparing a controlled signal representing the DC level set at the output with the threshold signal.

7. (Original) The transceiver of claim 6, wherein the output drive control system further comprises a drive control circuit responsive to the comparator circuit for controlling the output driver until the controlled signal is equal to the threshold signal.

8. (Original) The transceiver of claim 7 further comprising input circuitry for receiving an incoming signal from the residential wiring.

9. (Original) The transceiver of claim 8, wherein the output drive control system further comprises a multiplexer for connecting the input circuitry to the comparator circuit during a normal mode of operation, and for supplying the controlled signal representing the DC level during an output drive level control mode of operation.

10. (Original) The transceiver of claim 9, wherein the output drive level control mode of operation is carried out during initialization of the transceiver.

11. (Currently Amended) A method of configuring a transceiver having an output driver for driving an output terminal to provide data transmission via residential twisted pair wiring, the method comprising the steps of:

setting a DC level at the output terminal for supplying a transmit signal of a prescribed level to the residential twisted pair wiring,

comparing a controlled value representing the DC level with a predetermined threshold level, and

controlling the output driver until the controlled value is equal to the threshold level ~~The method of claim 1,~~ wherein the step of comparing is carried out by a comparator responsive to an incoming signal from the residential twisted pair wiring during a normal mode of operation.

12. (Previously presented) The method of claim 11, wherein the comparator is responsive to the controlled value during an output driver control mode of operation carried out to correct a deviation at an output of the output driver from a proper level.

13. (New) The method of claim 11, wherein the output driver is controlled during initialization of the transceiver.

14. (New) The method of claim 11, wherein the output driver is controlled for a high power level and a low power level set at the output terminal.

15. (New) The transceiver of claim 5, wherein the output drive control system comprises a comparator for comparing the DC level set at the output of the output driver with the

predetermined threshold signal, the comparator being responsive to an incoming signal from the residential twisted pair wiring during a normal mode of operation.

16. (New) The transceiver of claim 15, wherein the comparator is responsive to the DC level during an output driver control mode of operation carried out to correct a deviation at an output of the output driver from a proper level.